

Message

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Sent: 9/29/2015 6:28:29 PM
To: Hotchkiss, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=10f01ccc8611401bb34d16b71a87d3d5-Hotchkiss, Andrew]; Arzuaga, Xabier [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=391506b90acb488a9e7b6079fc84895f-Arzuaga, Xabier]; Euling, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cb0873315ed244fa852df546e1191e4c-Euling, Susan]; Blessinger, Todd [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f5240ca690c84f8fb20bac6fd7273fd5-Blessinger, Todd]; Weaver, Andre [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51c668eb1e1f41498d8a676e061ccca1-Weaver, James]; Segal, Deborah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bcdd984267644f3fb89ea65f65e6f422-Segal, Deborah]
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Subject: NTP reports with the Study quality: WITH ATTACHMENTS
Attachments: NAS-NTP Formaldehyde Review 2014.pdf; NAS-NTP Styrene Review 2014.pdf

From: Cooper, Glinda
Sent: Friday, September 25, 2015 10:32 AM
To: Walker, Teneille; Luke, April
Cc: Kraft, Andrew; Jones, Samantha; Cogliano, Vincent; Whalan, John; Rieth, Susan
Subject: RE: another follow-up on yesterday's meeting - NAS NTP references, with attachments

From: Cooper, Glinda
Sent: Friday, September 25, 2015 10:29 AM
To: Walker, Teneille; Luke, April
Cc: Kraft, Andrew; Jones, Samantha; Cogliano, Vincent; Whalan, John; Rieth, Susan
Subject: RE: another follow-up on yesterday's meeting - NAS NTP references

Attached are the NAS reviews of NTP's formaldehyde and styrene reviews. The formaldehyde one has a nice summary of criteria used to evaluate the epi studies (labeling them strong, moderately strong, and weak with respect to quality/informativeness), beginning on page 69. The styrene one had this paragraph about animal studies, but I didn't see this in tabular form.

The committee did not identify any experimental animal studies using styrene or styrene-7,8-oxide that were not already cited in the background document. In general, the committee considered studies to be more informative when they included more than one dose, well-matched controls, chronic exposure, treatment groups of adequate size, the use of well-characterized test material of high purity, thorough necropsy and pathologic evaluation of tissues according to established criteria, and statistical evaluation of tumor data with accepted methods. The quality of the studies varied considerably; the value of some of them is

limited by the numbers of animals treated, exposure duration, observation period, dose selection, or incomplete reporting of methods or results. Studies were considered less informative if any of those attributes were missing or could not be verified from the study description.